

Notice of Allowability

Application No.

10/008,590

Applicant(s)

HORN ET AL.

Examiner

Deborah K. Ware

Art Unit

1651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/20/03.
2. ☒ The allowed claim(s) is/are 1-3,5,6 and 8-12.
3. ☒ The drawings filed on 06 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the title

Changed the title to – METHOD FOR ACCELERATED REMEDIATION OF MANURE-CONTAMINATED MATERIAL --.

Authorization for this examiner's amendment was given in a telephone interview with Jerome Marger on February 3, 2004.

The application has been amended as follows:

In the abstract

Deleted lines 5-15 and inserted –

A method of accelerated remediation or bioremediation of contaminated material such as manure-contaminated material is provided comprising generating a treated contaminated material entraining air stream at a velocity sufficient for entraining the contaminated material therein. The contaminated material is entrained in the air stream and is then microenfractionated to form a microenfractionated contaminated material. Finally, the microenfractionated contaminated material is treated with a least one chemical amendment and/or one biological amendment thereby facilitating the accelerated remediation or bioremediation. The chemical amendment can comprise either a chemical oxidizing agent, a chelating agent, or a metallic reducing agent. The

preferred metallic reducing agents are zero valent iron, zero valent zinc, zero valent tin, zero valent manganese and zero valent aluminum. -- .

In the specification

Page 1, line 5, after "continuation" inserted -- -in-part --,

, line 6, after "continuation" deleted " in part" .

In the claims

Claim 1, line 7, in "step b.," deleted "acidifying" and inserted --adjusting the pH of--,

, lines 11-14, deleted and inserted --

c. generating an air stream at a velocity sufficient for entraining the manure-contaminated material therein;

d. entraining the contaminated material in said air stream;

e. microenfractionating the contaminated material in said air stream to form a microenfractionated contaminated material; and

f. treating said microenfractionated contaminated material with at least one chemical amendment. ;

Claim 2, line 1, deleted "acidifying" and inserted --said pH adjusting--;

Claim 3, line 1, after "wherein" inserted --said pH adjusting of--,

, line 2, deleted "acidified";

Claim 4, canceled;

Claim 6, line 1, deleted "particularized" and inserted --microenfractionated--;

Claim 7, canceled;

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Claim 8, line 1, deleted "acidified manure-contaminated" and inserted –said air stream is--,

, line 2, deleted "material is entrained in",

, line 3, after "treated" and with no space before "contaminated" inserted –manure- --;

Claim 9, line 1, deleted "particularizing step" and inserted –microenfractionating--

, line 2, deleted "acidified";

Claim 10, line 1, deleted "the step of particularizing the" and inserted –said microenfractionating--,

, line 2, deleted "treated particularized manure-contaminated material";

Claim 11, line 1, deleted "the step of",

, line 2, deleted,

, line 3, deleted "stream and" and deleted "it" and inserted –the treated microenfractionated manure-contaminated material--;

Claim 12, line 1, deleted "where" and inserted –wherein--;

Claims 13-24, canceled.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah K. Ware whose telephone number is 571-272-0924. The examiner can normally be reached on 9:30-6:00.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Deborah K. Ware
February 7, 2004



DAVID M. NAFF
PRIMARY EXAMINER
ART UNIT 1651